



gamma-ray transient search with VERITAS

Christian Skole, VERITAS-Group of G.Maier, DESY





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> Involved in upgrading analysis software

- testing & bugfixing
- „next-day analysis“ → output in FITS format

> implementing new methods to find γ -ray transients

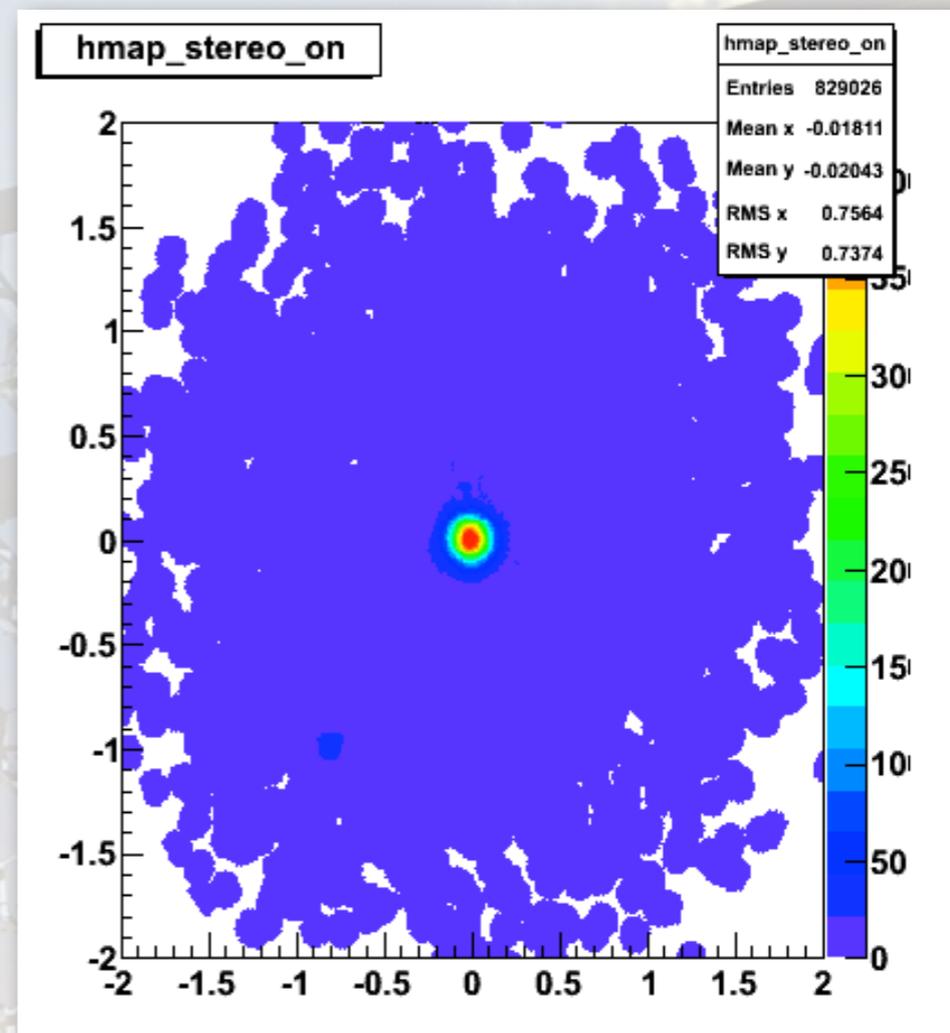
- duration too short to get enough counts → use time as additional information
- run over archival VERITAS data to search for missed transients
- if successful → apply method also during future CTA-analysis

> GRB analysis

- 1-2 GRBs/month → 54 GRBs observed w/ VERITAS until end of 2011

> MC Simulations for VERITAS & CTA

- batch farm at DESY
- lots of CORSIKA data already available
- to do: sensitivity of CTA for short time scales



Crab Data + MC Flare





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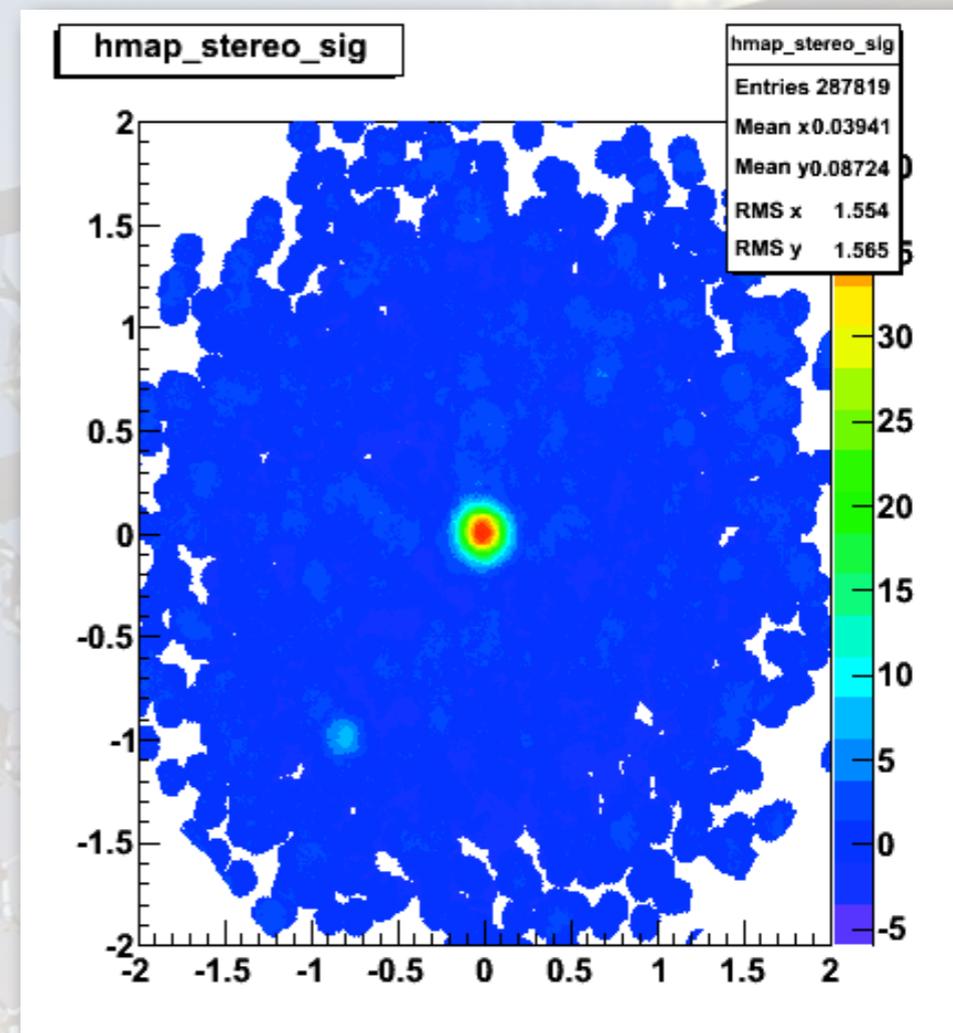
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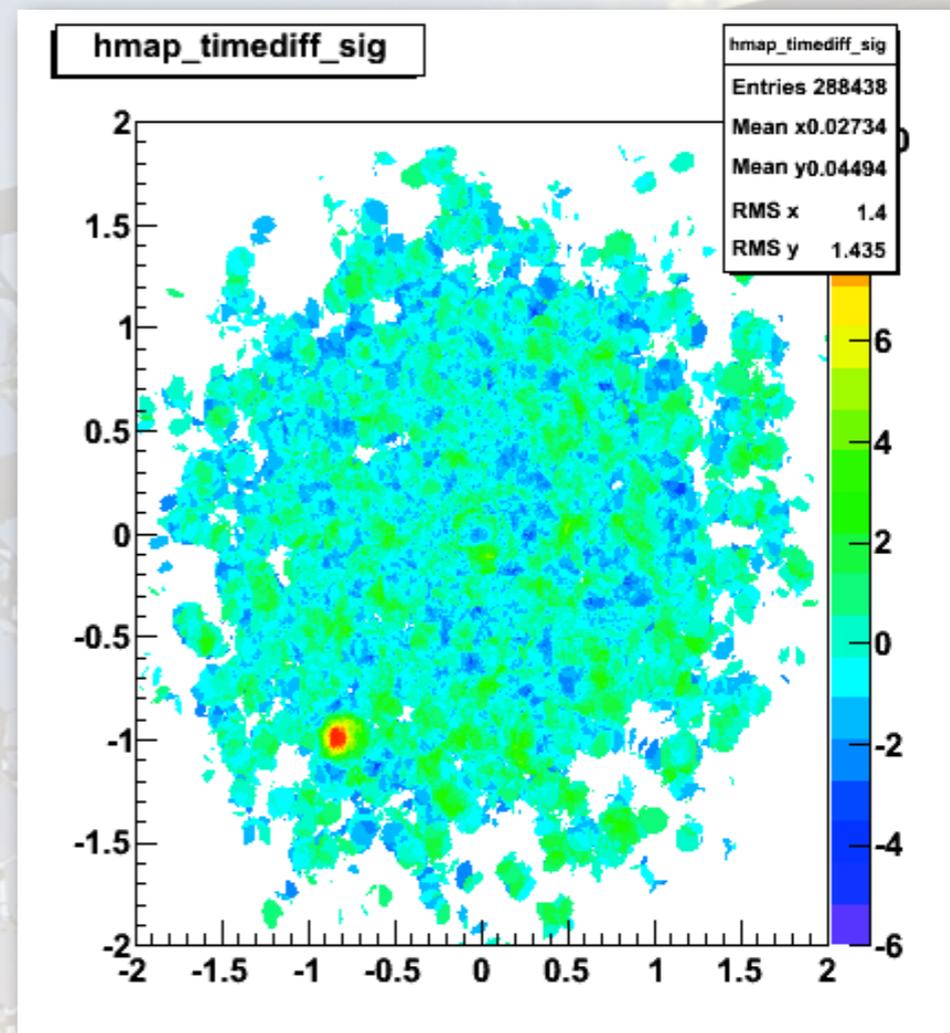
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